

DYNAMIC BABY CLEANING AND CHANGING PAD

Field of Invention

This present invention is directed generally to a baby care product, and more
5 particularly to a dynamic baby cleaning and changing pad that can create a space
underneath a baby during the baby cleaning and diaper changing process, and can
hold a clean diaper in a desired position during diaper changing process.

Background of Invention

10 Currently, there are many baby changing pads in the market. When using these
changing pads, a person has to pull a baby's leg(s) up to remove the dirty diaper,
clean baby's stool and urine, and put a new diaper on. If the new diaper is not placed
in a desired position in the first attempt, the person has to pull the baby's leg(s) up
again to adjust the diaper position. Pulling baby's leg(s) up makes lower part of body
15 higher than top part of the baby, which can result in an infant spilling milk. In
addition, lifting baby's leg(s) can make the baby uncomfortable and cause the baby to
cry and resist diaper changing, which can prolongs the diaper changing process. For a
weaker infant, a lengthy diaper changing process can increase the possibility of
catching cold.

20 In view of the above problems, there is a need for a novel baby cleaning and
changing pad to make the process easier and faster.

Summary of the Invention

The present invention is directed to improving baby cleaning and diaper
25 changing pad. It can make the baby cleaning and diaper changing process easier and
faster. It can also make a baby more comfortable, and reduce the possibility of
spilling milk and catching cold.

The invention comprises a stationary pad mounted on a support and a movable pad that can slide on the support. On both sides of the stationary pad, there are safety belt and its holders. On the top of the movable pad, there are clean diaper holders. During the diaper changing process, a person attaches a clean diaper to a desired position on the movable pad, places the baby on the dynamic baby cleaning and changing pad, releases the dirty diaper, and moves the movable pad away from the stationary pad. The space created between the stationary pad and the movable pad allows the person to place a water container under the baby to wash the waste away, or simply wipe out the urine and stool underneath the baby. After cleaning, the movable pad, along with the clean diaper, is pushed back to the stationary pad. The clean diaper is then under the baby again, which makes it easier to put the diaper on.

This invention has the following advantages:

1. Because this invention comprises a stationary pad and movable pad, a person can move the movable pad away from the stationary pad during diaper changing process and create an open space underneath the baby. This space not only allows the person to wipe baby waste from underneath, but also to place a water container under the baby for cleaning. Water cleaning is more thorough and comfortable. Since during the cleaning and changing process, the baby's legs curl up, instead of being pulled up, the baby feels more comfortable and does not resist diaper changing.
2. Because a clean diaper is pre-mounted on the movable pad, it can be placed to an ideal place when the movable pad is pushed to touch the stationary pad after baby cleaning. This enables a person quickly puts a clean diaper on the baby, which makes the baby comfortable and reduces the diaper changing time and the chance for a weak baby to catch cold.

3. Using this invention, one does not have to pull the baby's legs up during the cleaning and changing process. Therefore, it reduces possibility for baby to spill milk.
4. The structure of the invention is simple, and the application is easier.

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Brief Description of the Drawings

The invention may be more completely understood in consideration of the following detailed description of drawings.

FIG. 1 is a plan view of the dynamic cleaning and changing pad when the stationary pad and movable pad are in touch;

FIG. 2 is a left side view of the dynamic cleaning and changing pad shown in FIG. 1;

FIG. 3 is a top view of the dynamic cleaning and changing pad shown in FIG. 1;

FIG. 4 illustrates the dynamic cleaning and changing pad when the movable pad is pulled away from stationary pad shown in FIG. 1;

FIG. 5 illustrates another configuration of the dynamic cleaning and changing pad shown in FIG. 1;

FIG. 6 is a plan view of the dynamic cleaning and changing pad when the movable pad is away from the right stationary pad and is in touch with the left stationary pad;

FIG. 7 is a left side view of the changing pad shown in FIG. 6;

FIG. 8 is a top view of the changing pad shown in FIG. 6;

FIG. 9 is a plan view of the changing pad when the right stationary pad and movable pad are in touch.

In these figures, 1, 10 – stationary pads; 2 – movable pad; 3 – support flat; 4 – safety belt; 5 – safety belt holders; 6 – clean diaper; 7 – clean diaper holders; 8 – dirty diaper; 9, 9', 9'' – spaces between stationary pads and movable pad, 11 – water container.

Detailed Description of the Invention

First Embodiment

In FIG. 1 to FIG. 4, a stationary pad 1 is mounted on a support 3, and a movable
5 pad 2 is able to slide on the support 3. On both sides of the stationary pad 1 there are
safety belts 4 and their holders 5, and on the top of the movable pad 2, there are clean
diaper holders 7. A clean diaper 6 can be mounted on the movable pad 2 through the
diaper holders 7.

When changing diaper, a person uses the diaper holders 7 to attach a clean
10 diaper 6 on the top of the movable pad 2, places a baby on the stationary pad 1, and
puts the safety belts 4 on the baby. The person then releases the dirty diaper from the
baby and moves the movable pad 2, along with the dirty diaper 8, away from the
stationary pad 1 till a sufficient space 9 is created. Then the person throws the dirty
diaper 8 away and cleans the baby with wet wipe or water. After cleaning, the
15 movable pad 2, along with the clean diaper 6, is pushed back towards stationary pad 1
till they touch each other. The person then releases the clean diaper 6 from its holders
7 and puts the diaper 6 on the baby. After that, the person frees the baby from safety
belts 4 and takes the baby away from the dynamic cleaning and changing pad.

Second Embodiment

20 The dynamic cleaning and changing pad shown in FIG. 5 is similar to the first
embodiment except a water container 11 can be inserted in the support 3. When the
movable pad 2 is moved away from the stationary pad 1, the water container 11
appears. A person can add warm water in the container for baby cleaning. After
cleaning, the person empties the container 11 and moves the movable pad 2 to the
25 stationary pad 1. The container is then covered by the movable pad 2.

Third Embodiment

In FIG. 6 to FIG. 9, stationary pad 1 and stationary 10 are mounted on a support
3, and a movable pad 2 is able to slide on the support 3, between the stationary pad 1
and stationary 10. On both sides of the stationary pad 1, there are safety belts 4 and

their holders 5, and on the top of the movable pad 2, there are clean diaper holders 7. A clean diaper 6 can be mounted on the movable pad 2 through the diaper holders 7.

When changing diaper, a person uses the diaper holders 7 to attach a clean diaper 6 on the top of the movable pad 2, places a baby on the dynamic cleaning and changing pad, and puts the safety belts 4 on the baby. The person then releases the dirty diaper and moves the movable pad 2, along with the dirty diaper 8, away from the stationary pad 1 till the movable pad 2 touches the stationary pad 10. Then the person throws the dirty diaper 8 away and cleans the baby with wet wipe or water. Space 9' is occupied by the movable pad 2. Space 9'' between the stationary pad 1 and the movable pad 2 can hold a water container for baby cleaning. After cleaning, the movable pad 2, along with the clean diaper 6, is pushed back towards stationary pad 1 till they touch each other. Space 9'' is occupied by the movable pad 2, and space 9' between the movable pad 2 and stationary pad 10 appears again. The person then releases the clean diaper 6 from its holders 7 and puts the diaper 6 on the baby. After that, the person frees the baby from safety belt and takes the baby away from the cleaning and changing pad.

In the above examples, a person does not need to pull baby's leg(s) up. During the cleaning and changing process, the baby curls over naturally. That relaxing horizontal position can reduce the possibility of spill milk. In addition, since the clean diaper 6 is mounted on the movable pad 2 before the baby is placed on the cleaning and changing pad, the clean diaper 6 can be placed in a desired position. Once the movable pad 2 is in touch with stationary pad 1, a person can quickly put the clean diaper 6 on the baby.